

GCTGCGGTAGCATTGCCGCTGCTGCTGTTGTTGGCGTCACTGGTCACCCCAACCCCAGC
GCGTGACCCCTTCGCTCCGCAGCTCGGGGACACTCAGAGGTGCCAGCAGCGGTGTCGCC
AGCACCACCCTGGCTCGCCTCCTGCGCAGCCTGAGCCAGAGGGTCCCTCAGAGTCCCCG
AATAACAAGGCTATCCTGATCAGTGCTTGTGAGCGTGGCTGTCGGCTTTTCTCCATCTG
CCGCTTTGTGGCCAAGAGCTCTAGGCCCAATGCCACAGAGACAGAATGTGAAGCAGCCT
GCACAGAAGCTTACGTGAAGGCAGCGGAGCAACGGGCCTGCAGTGAGGGGTGCTGGG
(SEQ ID NO:1)

FIGURE 1

Construct

Underlined = deleted in targeting construct

Bold = sequence flanking Neo insert in targeting construct

GCTGCGGTAGCATTGCCGCTGCTGCTGTTGTTGGCGTCACTGGTCACCCCAACCCCAGCG
CGTGACCCCTTCGCTCCGCAGCTCGGGGACACTCAGAGGTGCCAGCAGCGGTGTCGCCAG
CACCACCCTGGCTCGCCTCCTGCGCAG**CCTGAGCCAGAGGGTCCCTCAGAGTCCCCGAAT**
AACAAGGCTATCCTGATCAGTGCTTGTGAGCGTGGCTGTCGGCTTTCTCCATCTGCCGC
TTTGTGGCCAAGAGCTCTAGGCCCAATGCCACAGAGACAGAATGTGAAGCAGCCTGCACA
GAAGCTTACGTGAAGGCAGCGGAGCAACGGGCCTGCAGTGAGGGGTGCTGGG

FIGURE 2A

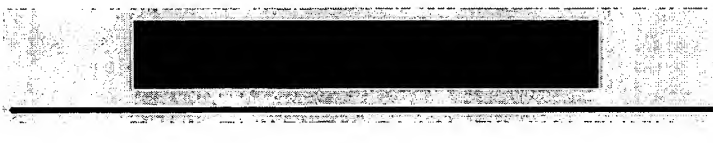
Gene Sequence
Structure *

227 bp

Sequence Deleted

260 bp

Size of EST: 352 bp



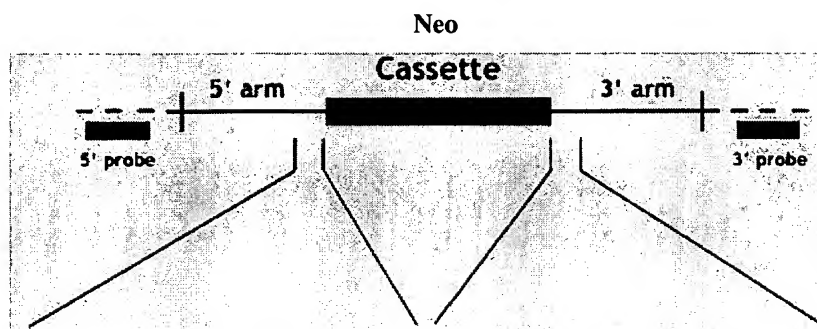
Targeting Vector*
(genomic sequence)

Construct Number: 23

Arm Length:

5': 6.8 kb

3': 1.8 kb



———— Targeting Vector
- - - - - Endogenous Locus

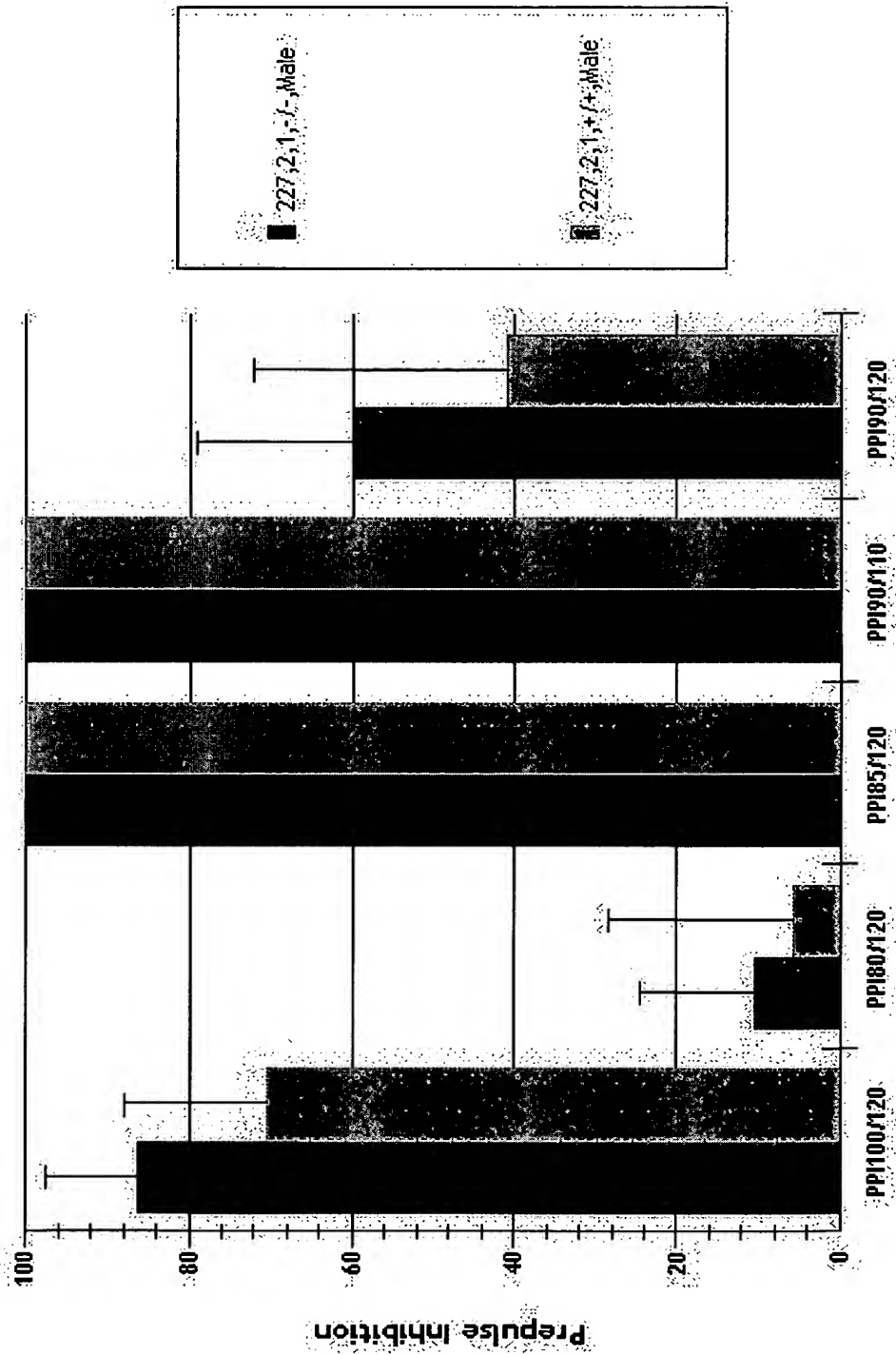
* Not drawn to scale

5' >ACCCCTCCCCCATGATGATC
CTGGCTTTCTGAAACCTGACTTCA
GTCTCGTGGATTCTTAGGGGGACC
CCAGCCTTCTTCCCCGAGTACCTT
TGCCTGAGTCTTATCTCCCTTC
CCAGCCTGAGCCAGAGGGTCCCTC
AGAGTCCCCGAATAACAAGGCTAT
CCTGATCAGTGCTTGTGAGCGTGG
CTGTCGGCTTT<3'
(SEQ ID NO:2)

5' >GCCCAATGCCACAGAGACAGA
ATGTGAAGCAGGTGAGTCCTCCAG
GGCTGGGTGCACTTTGGGGGTGCC
TGCAGCAGAGGTATCCTGGGAAGC
AGCTCCCAGTGACTCCATCCTGTG
GCCCACAGCCTGCACAGAAGCTTA
CGTGAAGGCAGCGGANCAACGGGC
CTGCAGTGAGGGGTGCTGGGGCCA
GATCCCTGAAC<3'
(SEQ ID NO:3)

FIGURE 2B

Prepulse Inhibition Profile



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FIGURE 3